

Improving Acquisition Execution Situational Awareness: Central Repository Pilot

Status Report



***Debbie Tomsic
(AT&L/ARA)***

***Ron Lile (Director,
DCARC)***

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Central Repository Pilot

- **Objective:**
 - **Demonstrate and evaluate the feasibility of implementing an automated Central Repository (CR) that provides for the centralized reporting, collection, and distribution for Key Acquisition Data, starting with Contract Performance Reports (CPRs).**
- **Develop and implement test policies and procedures to evaluate:**
 - **Complete, accurate, timely, and secure transfer of electronic data from the contractor to the CR.**
 - **Secure and controlled warehousing of data in the CR.**
 - **Controlled, timely, and secure access to data by authorized users.**
 - **Business rules that govern reporting, access, and availability of data.**
 - **Estimated workload impact and required resources to implement CR.**
- **Goal:**
 - **Develop a set of business rules for possible DoD-wide implementation that are supported by a consensus of the CR participants.**

Repository Pilot Programs

<u>Program</u>	<u>Service</u>	<u>Center</u>	<u>Contractor</u>	<u>DAES Group</u>
C-17A*	Air Force	ASC	Boeing	A
Global Hawk	Air Force	ASC	Northrop Grumman	A
SBIRS HIGH	Air Force	SMC	Lockheed-Martin	A
ARH	Army	AMCOM	Bell	C
JLENS	Army	AMCOM	Raytheon	A
Land Warrior	Army	CECOM	General Dynamics	B
P-8 (MMA)	Navy	NAVAIR	Boeing	C
SM-6	Navy	NAVSEA	Raytheon	A
MUOS	Navy	SPAWAR	Lockheed-Martin	B

* -- Replaced JASSM, which was listed in the original memo












EVM CR Pilot Overview

- ***Key Requirements:***
 - ***Complete, accurate, timely, and secure transfer of electronic data from the contractor to the CR.***
 - ***Secure, web-accessible central repository providing timely access to data to diverse users***
 - ***Controlled, timely, and secure access to data by authorized users.***
- ***What it means...***
 - ***Monthly EVM data submissions to a single, centralized location***
 - ***Timely review and access by stakeholders***
 - ***Automated access to summary data (e.g., level 1 data pushed to DAMIR)***
 - ***Single data source; minimized duplication of effort and double sets of numbers.***

EVM CR Pilot Architecture

- ***Security***
 - ***Digital certificate, user id, and password needs to be issued to authorized users (or CAC registration and access approved)***
- ***Data Processing Steps***
 - ***Data submissions by contractors via secure upload.***
 - ***Data held in review area for fixed time period***
 - ***Automated business process for review and distribution of data***
 - ***Automatic email to stakeholders to ensure timely review***
 - ***Stakeholders comments stay with data***
 - ***Automatic time stamping of events for metrics reporting***
 - ***Data published to DAMIR and Repository***

Evolving EVM CR Pilot Business Rules

	Upload	Immediate Access in Holding Area	After 5 Days (in Holding Area)	After 10 days (in Central Repository)
<i>Contractor</i>				
<i>PM Office</i>				
<i>PM Support Cntr</i>		 *		
<i>PEOs and SAEs</i>				
<i>DCMA/Oversight</i>				
<i>OSD/AT&L</i>				 **
<i>Other Gov't Analysts</i>				



= Own program(s)/Contracts

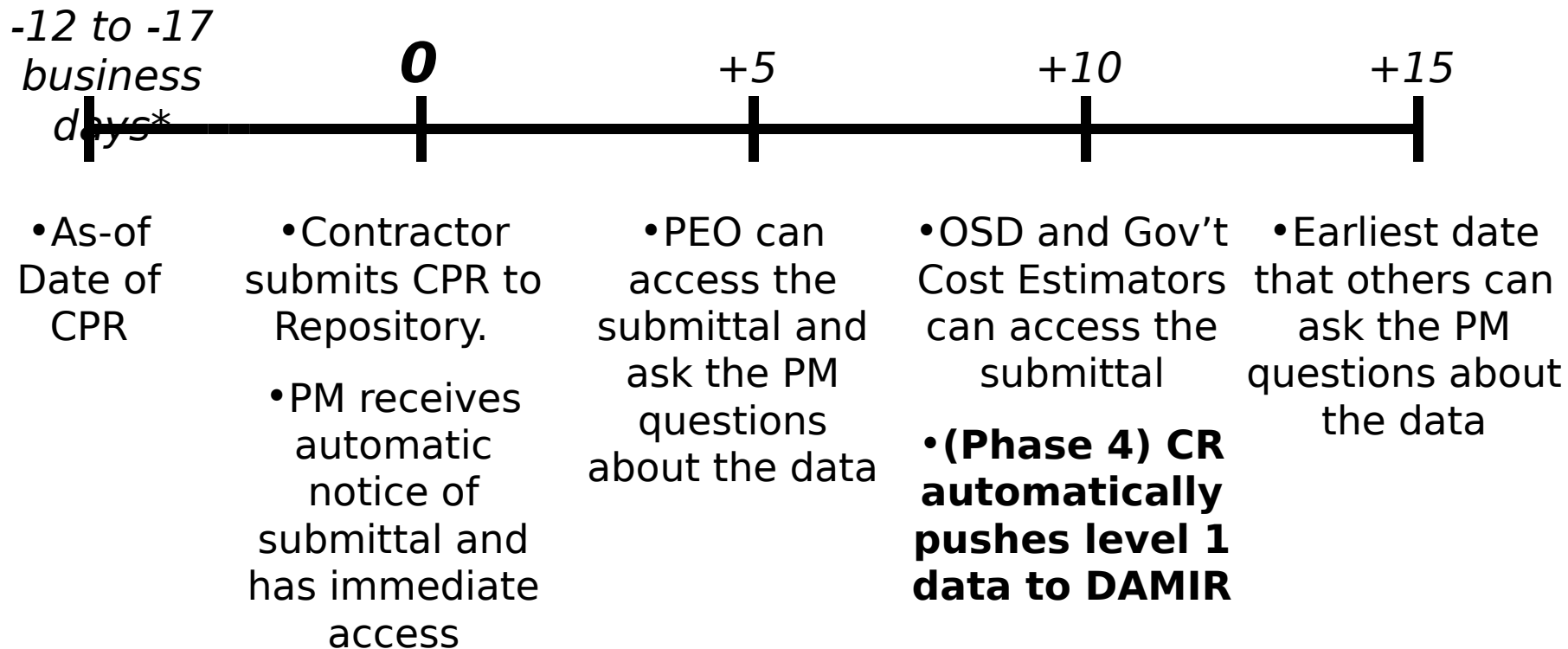


= All programs

* -- As approved by PM and Contractor (data provider)

** -- This is also when CR will automatically push level 1 CPR data to DAMIR

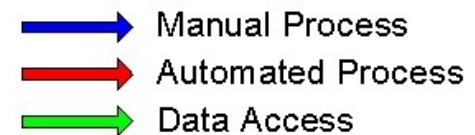
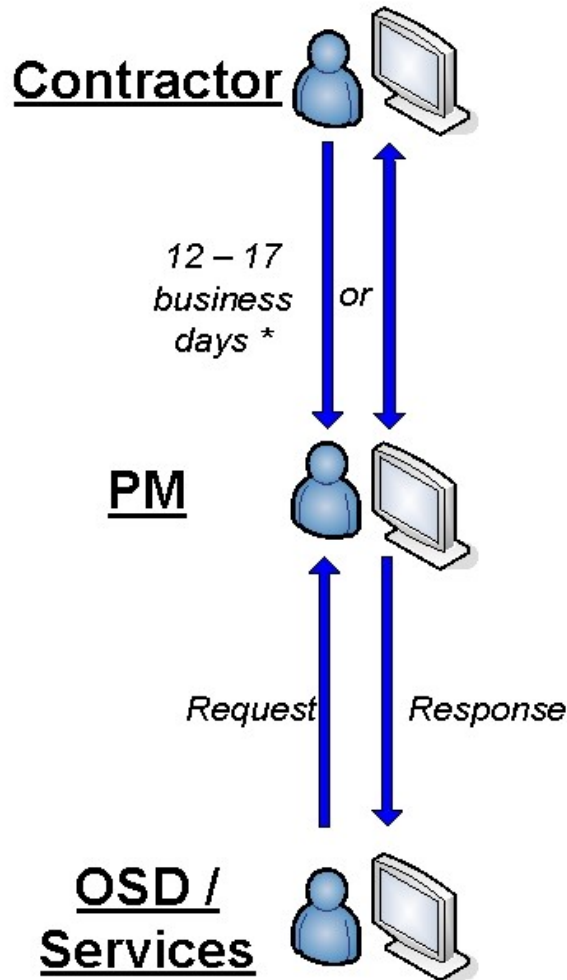
Business Rules Timeline (days)



* -- Effective with new contracts under March 2005 EVM Policy. Legacy contracts have up to 25 calendar days from As-of Date.

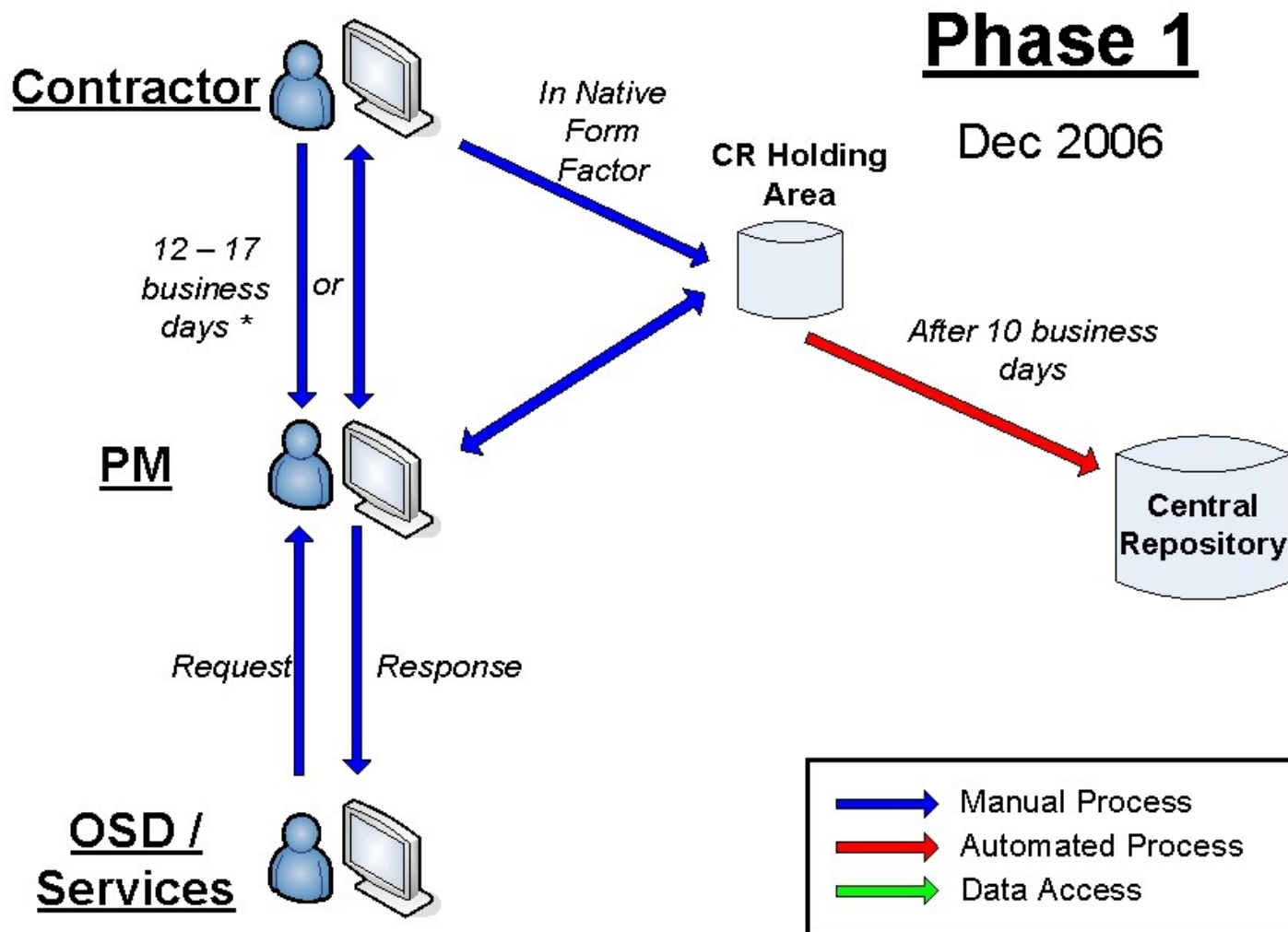
Data Reporting and Access Process

Current



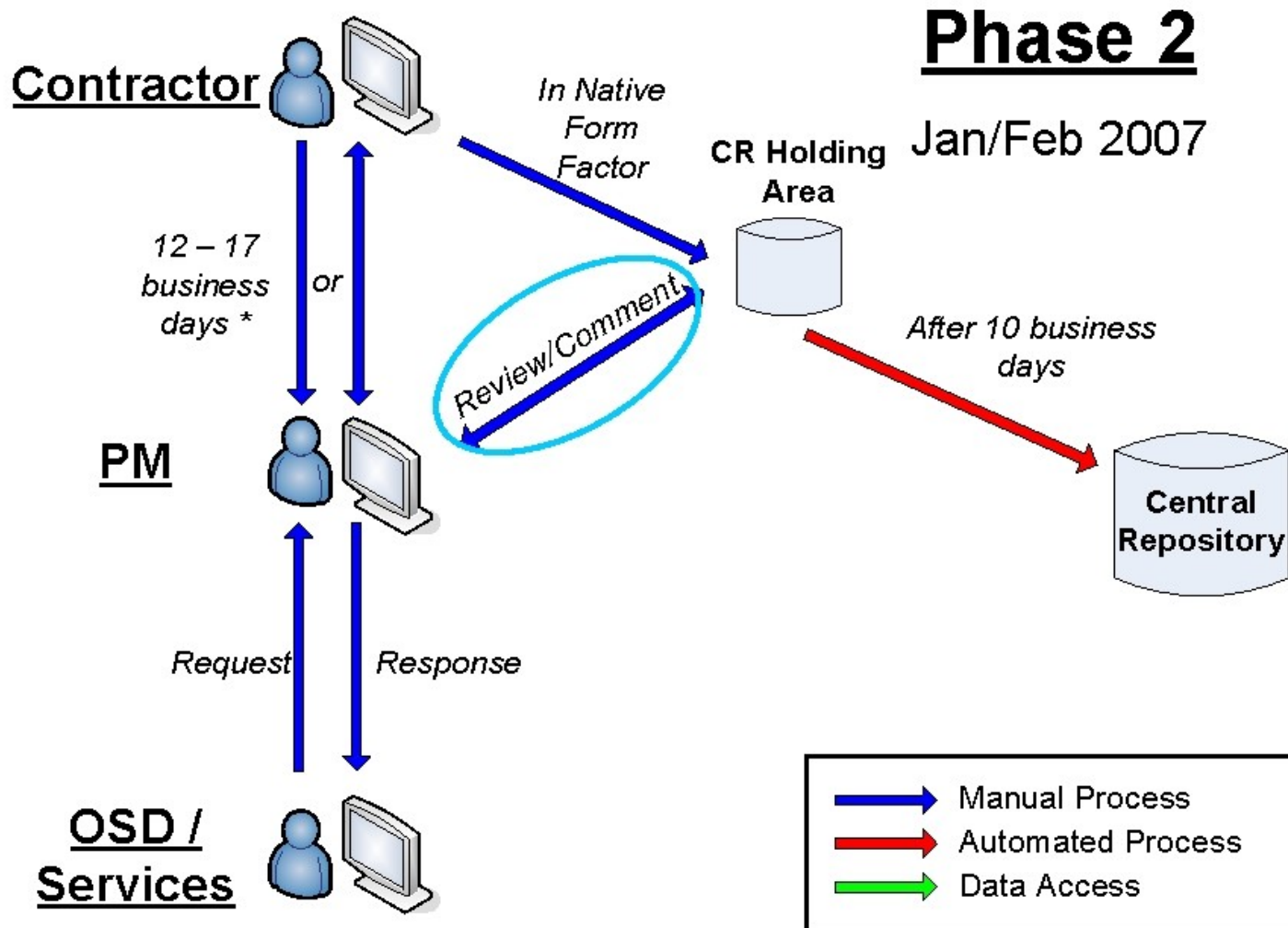
* -- From "As-of Date", for contracts beginning after April 2005. Legacy contracts have up to 25 calendar days from "As-of Date".

Data Reporting and Access Process



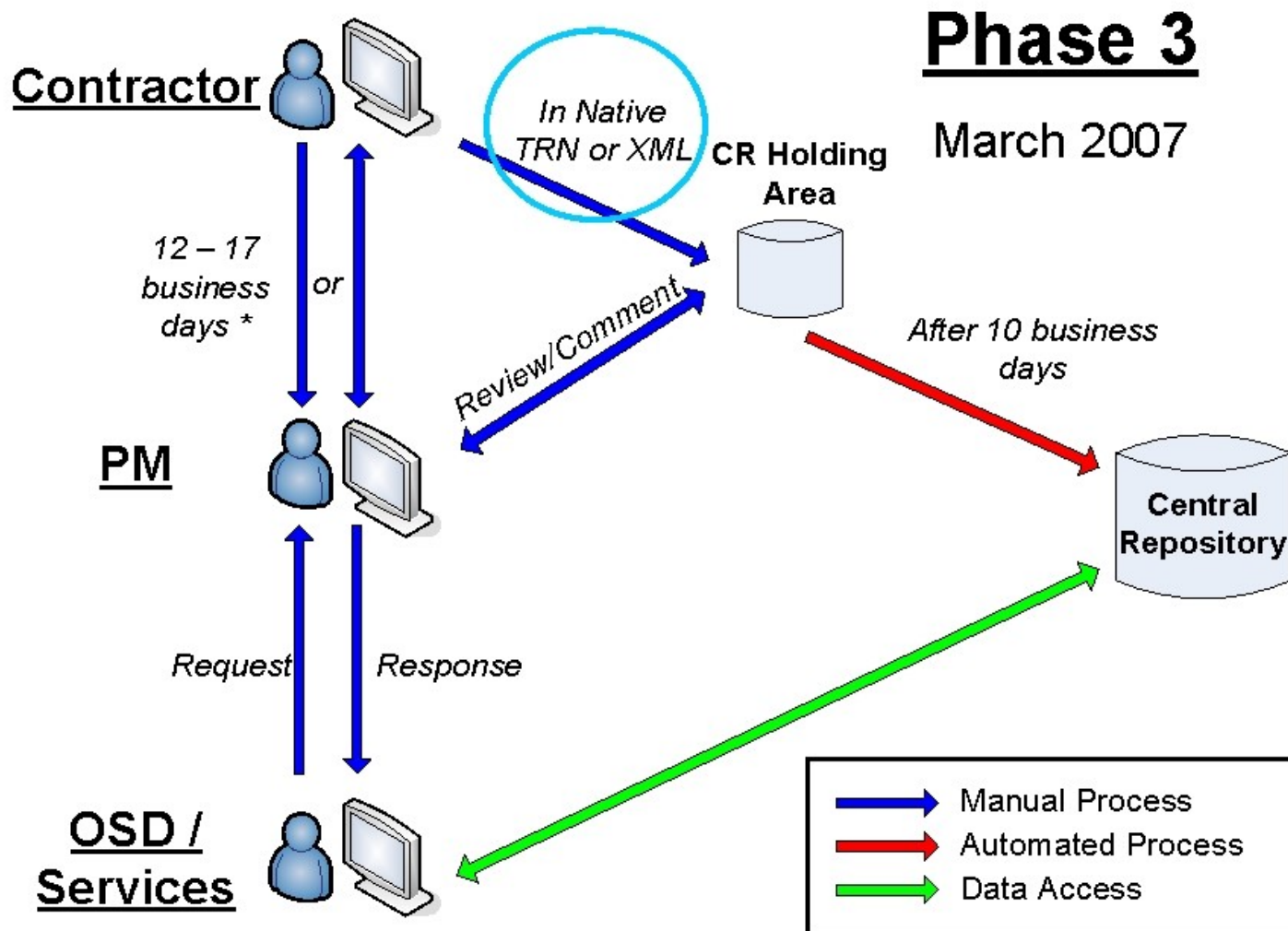
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Data Reporting and Access Process



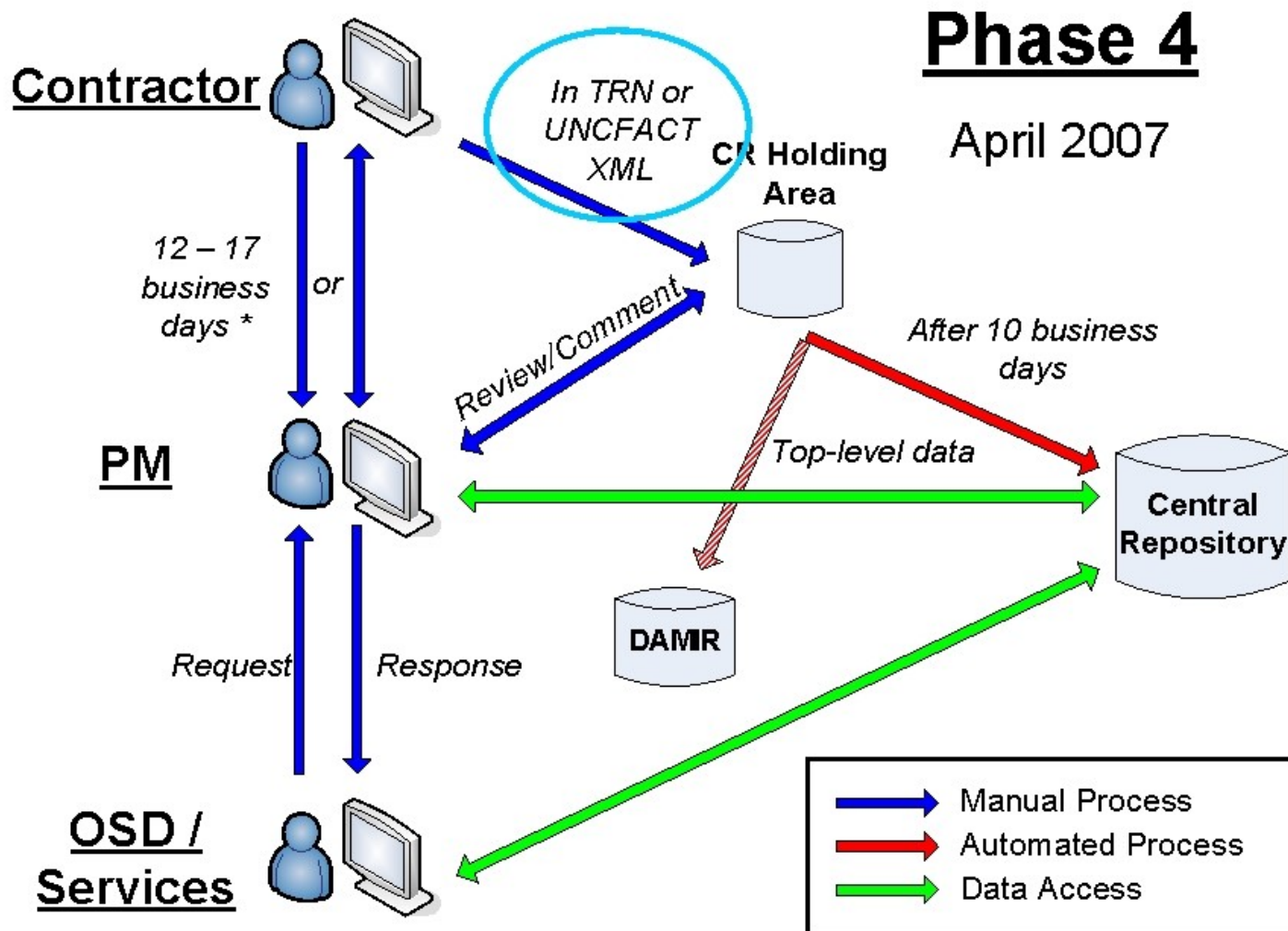
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Data Reporting and Access Process



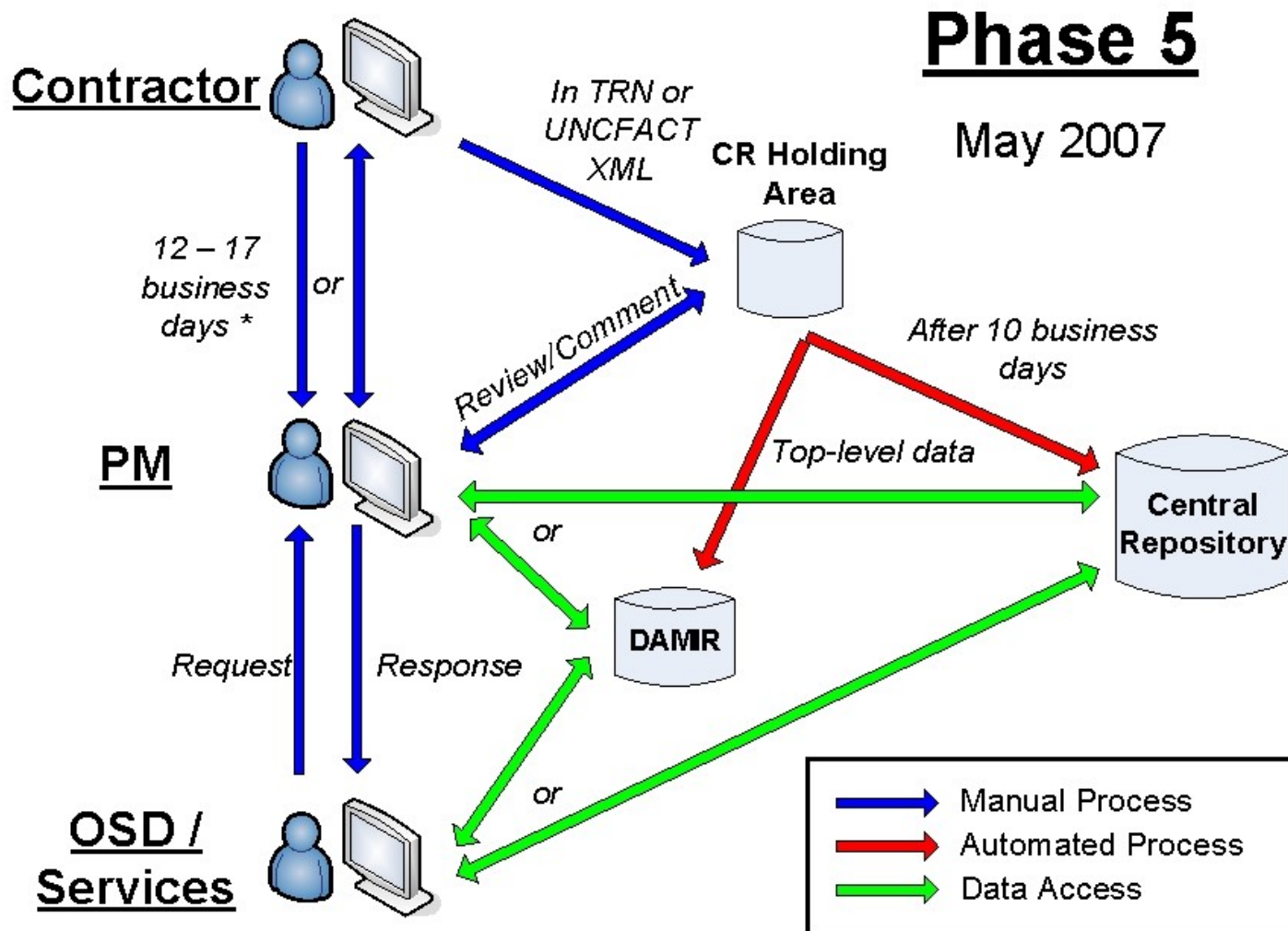
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Data Reporting and Access Process



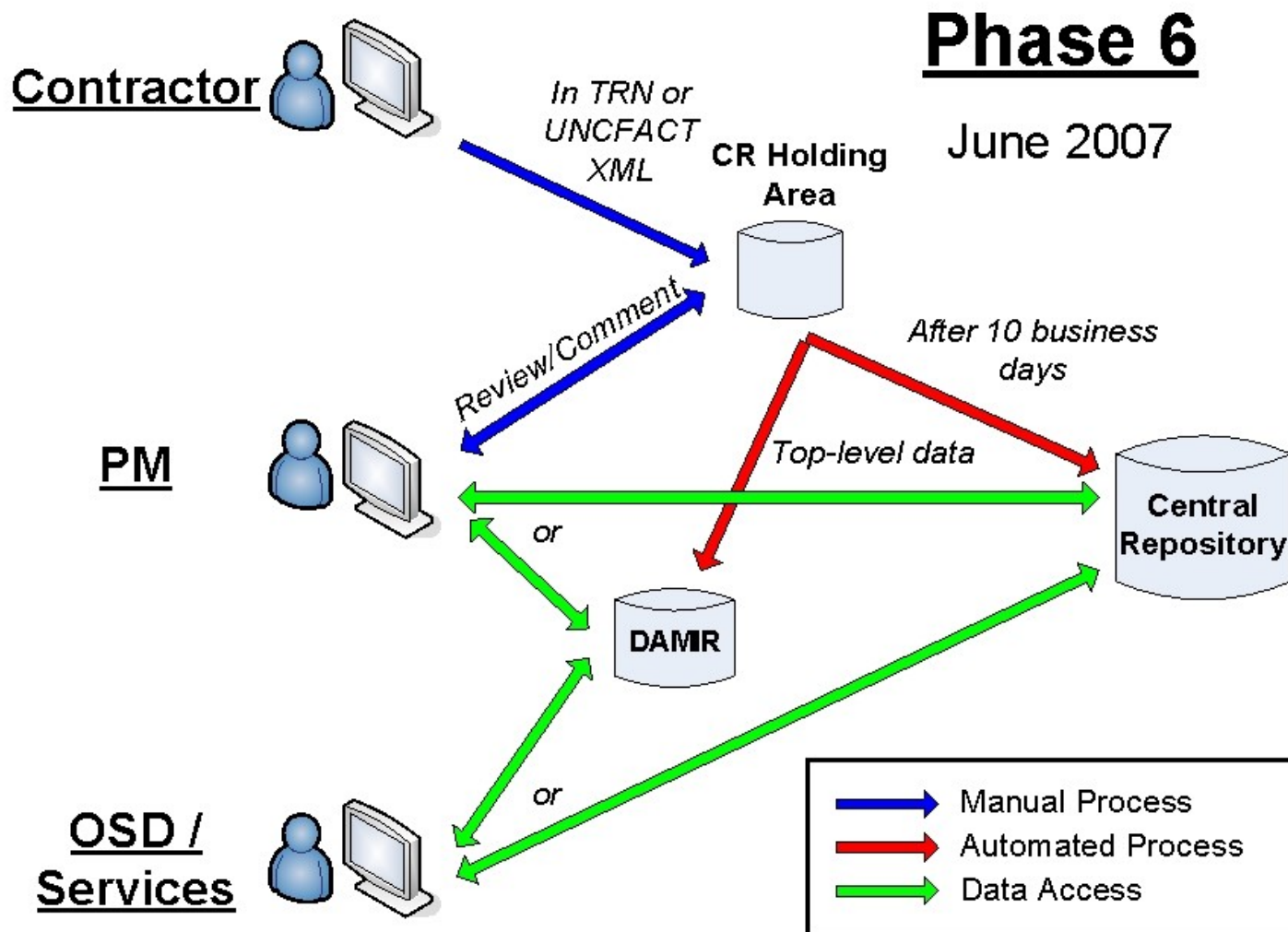
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Data Reporting and Access Process



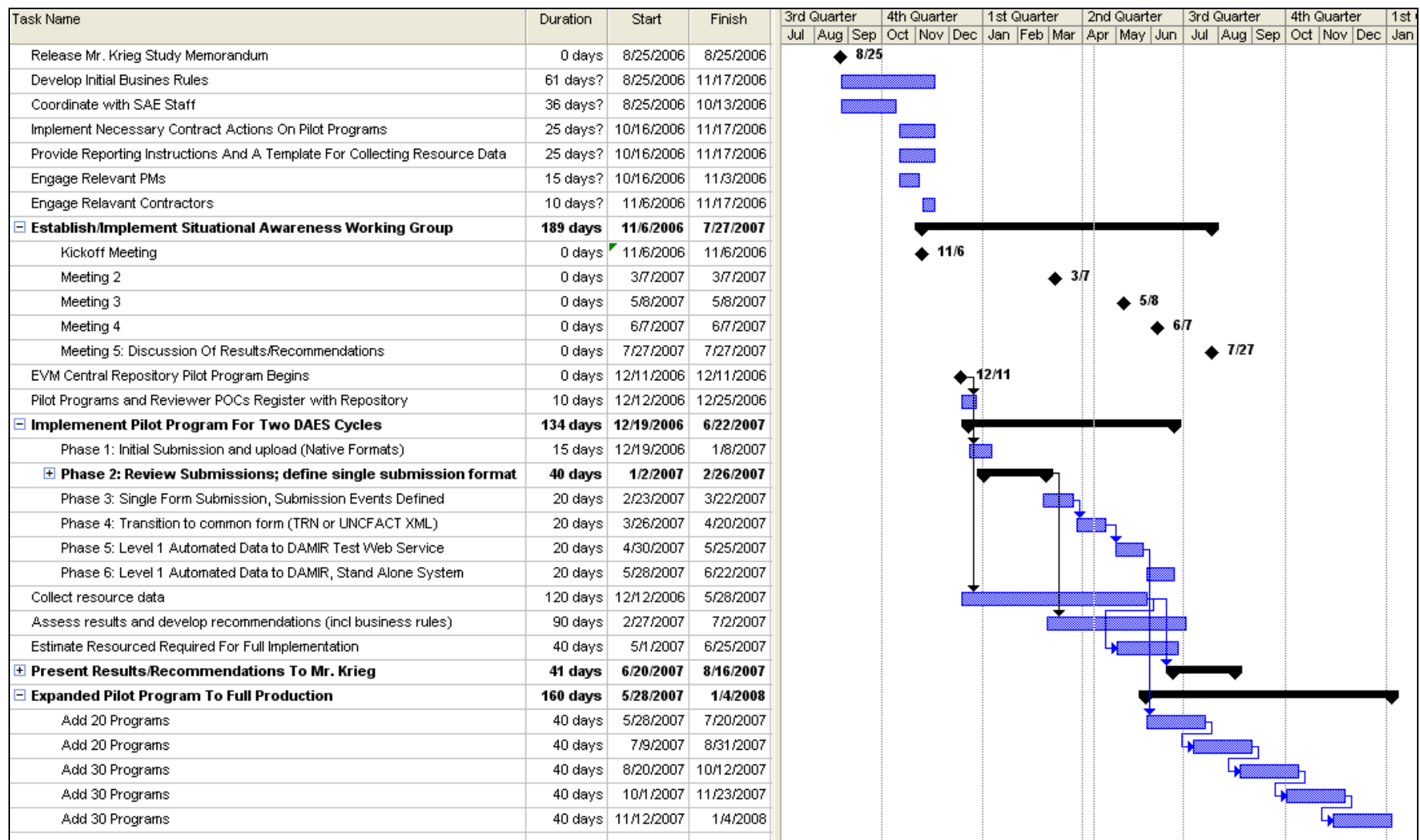
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Data Reporting and Access Process



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Repository Pilot Current Schedule



Benefits of the EVM CR

- ***Timeliness***
 - ***Top-level data available to DAMIR and services databases (SMART, AIM, DASHBOARD) two to five months prior than in current system***
- ***Transparency***
 - ***All parties are looking at the same data at the same time***
- ***Accountability***
 - ***OSD and Services can gain insight into which programs are actually using their own EV data***
- ***Access***
 - ***Currently holds 102 complete CPR submissions from nine programs***
- ***Single Business Process***
 - ***All contractors and program offices using the same system to provide and review Earned Value data***

Problems Incurred To Date

- ***Resolved***
 - ***Registration for the Central Repository was slow***
 - ***Program Offices filtered/did not properly convey requirements to contractors***
 - ***Contractors did not provide all data required by CDRLs***
 - ***All formats and form factors not submitted***
 - ***“Actual” CPRs not submitted***
 - ***Programs did not provide monthly Resource Tracking data***
 - ***DCMA slow to participate***
- ***Open***
 - ***Online comment/review features not being utilized***
 - ***Pilot participants still performing duplicate efforts while testing (e.g., separate submissions to both CR and Programs)***
 - ***“Auto” transfer of data to DAMIR/Services has not occurred***
 - ***Delays due data problems***
 - ***Service Acquisition Staff’s IT personnel slow to “constructively” engage***
 - ***Analyst role not implemented***
 - ***Delays due data problems***

Lessons Learned to Date

- ***Addition of EVM CR to CDRL distribution list is***
 - ***Required***
 - ***No-cost change***
- ***Submissions and file sizes larger than expected***
 - ***Should be manageable with proper planning***
- ***All programs collect multiple form factors***
 - ***Including wInsight (TRN), XML, XLS***
- ***Major contractors willing to test conversion to UNCEFAT XML “free of charge”***
- ***Extensive planning/discussion with Program Office is necessary as programs are added to the CR***
 - ***Determine all contracts/“tasks” being reported***
 - ***Determine all form factors, formats being submitted***
 - ***Define expected submission dates and as-of dates***
- ***Thorough training documents are needed for registration, upload and review processes***

Lessons Learned to Date

- ***Once up and running, upload/review to the CR takes minimal additional time***
 - ***Average 3 hours per program per month for upload***
 - ***Average 2 hours per program per month for PO review***
 - ***Note: Pilot participants still performing duplicate efforts while testing (e.g., separate submissions to both CR and Programs). EVM CR should reduce effort.***
- ***CFSR will be simple to add to CR***
 - ***CFSR are small files (usually Excel-compatible), usually reported quarterly***
- ***IMS will be difficult to add to CR***
 - ***Living document rather than a periodic report***
 - ***Some exist as contractor-hosted web-based portals only***
 - ***Large files (60-200mb)***
 - ***Contains more detail than is useful for high-level decisions***

Questions To Be Answered

- **What are the resources required to change the distribution list? *Pilot program contractors have indicated that this is no cost.***
- **How do we affect a change in the distribution list? Is it necessary? *Single Process Initiative, yes!***
- **What should the standard form factor be? *UNCFACT XML or TRN***
- **What are the resources required to change the form factor? *Pilot program contractors have indicated that this is no cost.***
- **How do we affect a change in the form factor? *Single Process Initiative***
- **Who are the authorized reviewers and users? *See business rules.***
- **What are the needed data transfers to DAMIR and the Services? *Currently, Level 1 data for DAMIR.***
- **What additional business rules are needed? *Needed to develop business rules for the “Analyst Role”.***

Recommendations

- **Continue Pilot**
 - **Work the “auto” transfer of data**
 - **Transfer to UNCEFAT XML form factor**
 - **Implement Analyst role**
 - **Expand collection of data to include CFSRs**
- **Expand number of participating programs**
 - **Requires a contract change for CDRL changes**
 - **Distribution list**
 - **Form factor**
 - **Add approx. 10 ACAT 1 programs in September 2007**
 - **Starting with Rotary Aircraft programs**
 - **Add approx. 10 more programs every month**
 - **By System Command and/or commodity type**
 - **All ACAT I programs participating by January 2008**
- **Explore changing the IMS DID to include a more useful report**
 - **Use same WBS level as the CPR and CCDR**
 - **May require specification of form factor or definition of an extract from a contractor-hosted web portal**